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L. J. J. J.
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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Ralph BERKE

Appln. No. 09/869,059

Group Art Unit: UNKNOWN

Confirmation No.: UNKNOWN

Examiner: Unknown

Filed: June 25, 2001

For: SYSTEM FOR INJECTING A CONTRAST MEDIUM

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents
Washington, D.C. 20231

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TECHNOLOGY CENTER

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits the following explanations:

1. German Patent Application No. 38 17 411

This patent application is concerned with a device for a simultaneous infusion of a plurality of solutions or the like comprising a group of infusion pumps 1, 2 and a group of syringe pumps 3, 4, whereat the solutions are contained in container 25, 26 or syringes 3, 4. A control unit 17 is controlling all pumps 1, 2, 3, 4 the outlets of which are connected together. In the conduit 23 which is connected with the patient there is provided a detector 14 for detecting the liquid flow as well as a sensor 13 for sensing the air. Sensor 13 and detector 14 are

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connected with the control unit 17. Thus, the flow rate of the pumps 1 to 4 is controlled by the control unit 17 in accordance with a predetermined program.

2. German Patent Application No. 36 05 319

This patent application is concerned with an infusion device having a dropping chamber 14 which is connected via a tube 18 to a regulating clamp 60. Clamp 60 is controlling the flow rate of tube 18. The upper side of chamber 14 has to be connected with a fluid container.

3. German Patent Application No. 2 410 868

This application is concerned with a device for injection of contrast mediums comprising a single syringe for a liquid having a control unit for starting and stopping the function of the syringe.

4. German Utility Model Registration 297 21 247

This application refers to a system for injecting liquids into the body of a human being including two syringes which are connected together in parallel through a tube system. The purpose of this system resides in the fact that one syringe is used for injecting a contrast medium and that an automatic post injection is introduced automatically for example in form of a salt solution. On the other hand both solutions can be injected simultaneously. Both syringes 1, 2 are motor-driven. There is neither controlling unit nor any flow detector included.

5. German Patent Application 43 20 365

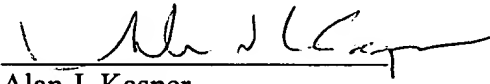
This application is concerned with a system which includes several syringes 3 for injection of different fluids. There is provided a control unit 4 controlling driving units 12 which are connected with the syringes 3. In combination with the driving units 12 there are detecting devices 121 for detecting the movement of the piston of each syringe.

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The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,

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